## Claims

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[c1] 1. A cured composition comprising a cured residue of a curable composition comprising: (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms; (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide; and (c) a thermoplastic resin. [c2] 2. The cured composition of claim 1, wherein said flame retardant additive has a bromine content greater than 20%. 3. The cured composition of claim 1, wherein said flame retardant additive is [c3] 1,3,5-tris(2,4,6-tribromophenoxy)triazine. [c4] 4. The cured composition of claim 1, wherein said flame retardant additive is 2,2'-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy]] bis [4,6-bis][(2,4,6-tribromophenyl)oxy]-1,3,5-triazine].5. The cured composition of claim 1, wherein said flame retardant additive is [c5] soluble in toluene at a concentration of greater than 15 g/100ml of toluene at a temperature of 50 ° C. [c6] 6. The cured composition of claim 1, wherein said epoxy resin is a glycidyl ether resin or a mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule. [c7] 7. The cured composition of claim 1, wherein said epoxy resin is a mixture of: (a1) an epoxy resin containing on average less than or equal to 2 glycidyl groups per molecule; and (a2) an epoxy resin containing greater than 2 glycidyl groups per molecule.

8. The cured composition of claim 1, wherein said thermoplastic resin has a Tg

greater than 120 ° C.

[c8]

essentially free of homopolymers of styrene.

22. The cured composition of claim 1, wherein the epoxy resin is a [c22] multifunctional glycidyl ether.

[c23] 23. The cured composition of claim 22, wherein said multifunctional glycidyl ether is selected from the group consisting of epoxidized phenol-formaldehyde novolacs, epoxidized cresol-formaldehyde novolacs, epoxidized alkylphenolformaldehyde novolacs, epoxidized 1,1,1-tris(4-hydroxyphenyl)ethane, epoxidized 1,1,2,2-tetra(4-hydroxyphenyl) ethane, epoxidized phenoldicyclopentadiene novolacs, and epoxidized phenol-benzaldehyde novolacs.

> 24. A cured composition comprising a cured residue of a curable composition comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is a glycidyl ether resin or mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule;
- (b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine and/or 2,2'-[(1-methylethylidene) bis[(2,6-dibromo-4,1-phenylene)oxy]] bis[(2,4,6-tribromophenyl)oxy]-1,3,5-triazine]; and
- (c) a poly(phenylene ether) resin.

[c25] 25. A cured composition comprising a cured residue of a curable composition comprising:

- (a) an epoxidized cresol-formaldehyde novolac resin;
- (b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine; and
- (c) a poly(phenylene ether) resin having a number average molecular weight ranging from about 1,000 to 15,000 g/mol.

[c26]26. A laminate, comprising: a metal foil having a surface; and disposed on the surface of the metal foil, a cured residue of a curable composition comprising:

- (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is essentially free of bromine atoms:
- (b) a flame retardant additive essentially free of phenolic groups and of epoxy groups, wherein said flame retardant is a condensation product of (i) a

[c24]

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brominated phenol or a mixture of brominated phenols with (ii) a cyanuric halide; and

- (c) a thermoplastic resin.
- [c27] 27. The laminate of claim 26, wherein said flame retardant additive has a bromine content greater than 20%.
- [c28] 28. The laminate of claim 26, wherein said flame retardant additive is 1,3,5-tris (2,4,6-tribromophenoxy)triazine.
- [c29] 29. The laminate of claim 26, wherein said flame retardant additive is 2,2'-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy]]bis[4,6-bis[(2,4,6-tribromophenyl)oxy]-1,3,5-triazine].
- [c30] 30. The laminate of claim 26, wherein said epoxy resin is a glycidyl ether resin or a mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule.
- [c31] 31. The laminate of claim 26, wherein said thermoplastic resin has a Tg greater than 120 ° C.
- [c32] 32. The laminate of claim 26, wherein said thermoplastic resin has a dissipation factor of less than 0.010 measured at 1 MHz at room temperature.
- [c33] 33. The laminate of claim 26, wherein said thermoplastic resin is a poly (phenylene ether).
- [c34] 34. The laminate of claim 33, wherein the poly(phenylene ether) has a number average molecular weight ranging from about 1,000 to 15, 000 g/mol.
- [c35] 35. The laminate of claim 33, wherein the poly(phenylene ether) has a weight average molecular weight ranging from about 3,000 to 35, 000 g/mol.
- [c36] 36. The laminate of claim 26, wherein said thermoplastic resin is one or more of poly(phenylene ether) or poly(styrene- *co* -maleic anhydride).
- [c37] 37. The laminate of claim 26, wherein said thermoplastic resin is the reaction product of a poly(phenylene ether) and a peroxide.

[c43]

- [c38] 38. The laminate of claim 26, wherein said thermoplastic resin is the reaction product of a poly(phenylene ether), a peroxide, and a bisphenol.
   [c39] 39. The laminate of claim 26, wherein said thermoplastic resin is a polyimide.
- [c40] 40. The laminate of claim 26 wherein the curable composition further comprises one or more of an organic reinforcement, an inorganic reinforcement, or a filler.
- [c41] 41. The laminate of claim 26, wherein the curable composition is essentially free of homopolymers of styrene.
- [c42] 42. The laminate of claim 26, wherein the epoxy resin is a multifunctional glycidyl ether.
  - 43. The laminate of claim 42, wherein said multifunctional glycidyl ether is selected from the group consisting of epoxidized phenol-formaldehyde novolacs, epoxidized cresol-formaldehyde novolacs, epoxidized alkylphenol-formaldehyde novolacs, epoxidized 1,1,1-tris(4-hydroxyphenyl)ethane, epoxidized 1,1,2,2-tetra(4-hydroxyphenyl) ethane, epoxidized phenol-dicyclopentadiene novolacs, and epoxidized phenol-benzaldehyde novolacs.
- [c44] 44. A laminate, comprising:

  a metal foil having a surface; and
  disposed on the surface of the metal foil, a cured residue of a curable composition comprising:
  - (a) an epoxy resin and curing agent therefor, wherein said epoxy resin is a glycidyl ether resin or mixture of glycidyl ether resins containing, on average, greater than 2 epoxy groups per molecule;
  - (b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine and/or 2,2'-[(1-methylethylidene) bis[(2,6-dibromo-4,1-phenylene)oxy]]bis[4,6-bis[(2,4,6-tribromophenyl)oxy]-1,3,5-triazine]; and
  - (c) a poly(phenylene ether) resin.
- [c45]
  45. A laminate, comprising:
  a metal foil having a surface; and
  disposed on the surface of the metal foil, a cured residue of a curable

composition comprising:

- (a) an epoxidized cresol-formaldehyde novolac resin;
- (b) 1,3,5-tris(2,4,6-tribromophenoxy)triazine; and
- (c) a poly(phenylene ether) resin having a number average molecular weight ranging from about 1,000 to 15,000 g/mol.